Project Title	Funding	Strategic Plan Objective	Institution
Whole Brain Mapping of the Effects of Intranasal Oxytocin in CNTNAP2 KO Mouse Model of Autism	$0	Q4.Other	Cold Spring Harbor Laboratory
Understanding copy number variants associated with autism	$125,000	Q4.S.B	Duke University
Understanding brain disorders related to the 15q11.2 chromosomal region	$250,000	Q4.S.B	Johns Hopkins University
Uncovering the impact of 16p11.2del on neurons mediating motivated behavior	$124,957	Q4.S.B	The Trustees of the University of Pennsylvania
Top-down dynamics in autism	$105,000	Q4.S.B	ROCKEFELLER UNIVERSITY
The tissue-specific transcriptome anatomy of 16p11.2 microdeletion syndrome	$0	Q4.S.B	Massachusetts General Hospital
The role of PTCHD1 in thalamic reticular nucleus function and ASD	$250,000	Q4.S.B	Massachusetts Institute of Technology
The Role of Cation/Proton Exchanger NHE9 in Autism	$125,000	Q4.S.B	University of California, San Francisco
THE GENETIC AND NEUROANATOMICAL ORIGIN OF SOCIAL BEHAVIOR	$391,250	Q4.S.B	Baylor College of Medicine
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	$0	Q4.S.B	Salk Institute for Biological Studies
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	$0	Q4.S.B	University of California, San Francisco
Targeting System Xc- for the treatment of the Autism Spectrum Disorder subpopulations, Fragile X syndrome and Phelan-McDermid syndrome	$151,366	Q4.S.B	PROMENTIS PHARMACEUTICALS, INC.
Synaptic pathophysiology of 16p11.2 model mice	$0	Q4.S.B	Massachusetts Institute of Technology
Studies of genetic and metabolic disorders, autism and premature aging	$34,275	Q4.S.B	National Institutes of Health
Striatal synaptic Abnormalities in Models of Autism	$397,500	Q4.S.B	UT SOUTHWESTERN MEDICAL CENTER
Stable Zebrafish Models of Autism Spectrum Disorder	$75,250	Q4.S.B	University of Miami
SCN2A mouse	$60,000	Q4.S.B	Duke University
Scalable technologies for genome engineering in hIPSCs	$341,000	Q4.S.B	University of California, San Diego
Roles of Oxytocin and Vasopressin in Brain	$1,866,157	Q4.S.B	National Institutes of Health
Role of the hippocampal CA2 region in autism	$62,500	Q4.S.B	Columbia University
Role of the CUL3-mediated ubiquitination pathway in autism	$0	Q4.S.B	Portland State University
Role of Caspr2 (CNTNAP2) in brain circuits - Project 2	$0	Q4.S.B	University of California, Los Angeles
Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	$0	Q4.S.B	King's College London
Role of Caspr2 (CNTNAP2) in brain circuits- Core	$0	Q4.S.B	Weizmann Institute of Science
Rebuilding Inhibition in the Autistic Brain	$24,840	Q4.S.B	Brandeis University
Rapid drug discovery in genetic models of autism	$0	Q4.S.B	Research Center of Centre hospitalier de l'UniversitÈ de MontrÈal
PsychoGenics Inc.	$98,114	Q4.S.B	PsychoGenics Inc.

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Prefrontal function in the Shank3-deficient rat: A first rat model for ASD	$457,912	Q4.S.B	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	Q4.S.B	University of North Carolina
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	Q4.S.B	University of North Carolina
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	Q4.S.B	University of North Carolina
Pre-clinical evaluation of oxytocin for ASD treatment discovery	$244,898	Q4.S.B	University of California, Davis
Preclinical evaluation of NMDA receptor antagonists for treating Rett Syndrome	$396,250	Q4.S.B	CASE WESTERN RESERVE UNIVERSITY
Preclinical Autism Consortium for Therapeutics (PACT)-Boston Children's Hospital	$0	Q4.S.B	Boston Children's Hospital
Preclinical Autism Consortium for Therapeutics (PACT)	$0	Q4.S.B	University of California, Davis
Pinpointing Genes Underlying Autism in Chromosomal Region 16p11.2	$1,250	Q4.S.B	Cold Spring Harbor Laboratory
Piloting Treatment with Insulin-Like Growth Factor-1 in Phelan-McDermid Syndrome	$84,750	Q4.L.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Oxytocin Receptors and Social Behavior	$440,363	Q4.S.B	Emory University
Optical imaging of circuit dynamics in autism models in virtual reality	$165,691	Q4.S.B	Harvard University
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	$0	Q4.S.B	University of Texas San Antonio
Novel Genetic Models of Autism	$329,427	Q4.S.B	UT SOUTHWESTERN MEDICAL CENTER
Novel approaches to enhance social cognition by stimulating central oxytocin release	$0	Q4.S.B	Emory University
Neuroligin function in the prefrontal cortex and autism pathogenesis	$250,000	Q4.S.B	Stanford University
Neurobiological Signatures of Social Dysfunction and Repetitive Behavior	$400,710	Q4.S.B	NEW YORK STATE PSYCHIATRIC INSTITUTE
Neural mechanisms of social reward in mouse models of autism	$249,994	Q4.S.B	Stanford University
Molecular consequences of strong effect ASD mutations including 16p11.2	$250,000	Q4.S.B	Massachusetts General Hospital
Modeling The Serotonin Contribution to Autism Spectrum Disorders	$227,339	Q4.S.B	Vanderbilt University
Microcircuit endophenotypes for autism	$62,500	Q4.S.B	University of California, San Francisco
Mechanisms of stress-enhanced aversive conditioning	$381,250	Q4.S.B	Northwestern University
Mechanisms of circuit failure and treatments in patient-derived neurons in autism	$406,250	Q4.S.B	BROWN UNIVERSITY

Project Title	Funding	Strategic Plan Objective	Institution
Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism	$268,210	Q4.S.B	University of California, Los Angeles
In Vivo Functional Analysis of Autism Candidate Genes	$123,750	Q4.S.B	Baylor College of Medicine
In vivo approach to screen ASD allele functions in cortical interneurons	$125,000	Q4.S.B	University of California, San Francisco
Investigations of a Proposed Molecular Feedback Loop in Cortical Neurons in Psychiatric Pathogenesis	$25,000	Q4.S.B	University of California, San Francisco
Investigating Wnt signaling variants in mouse models of ASD	$0	Q4.S.B	University of California, San Francisco
Identifying therapeutic targets for autism using Shank3-deficient mice	$487,448	Q4.S.B	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Identifying autism-associated signaling pathways regulated by CHD8 in vivo	$62,500	Q4.S.B	King's College London
Human Gene Editing and In Situ Sequencing of Neuronal Microcircuit Arrays	$125,000	Q4.S.B	Harvard University
How do autism-related mutations affect basal ganglia function?	$125,000	Q4.S.B	University of California, Berkeley
High-throughput drug discovery in zebrafish models of ASD risk genes	$62,500	Q4.S.B	Yale University
GABA-A receptor subtypes as therapeutic targets in autism	$0	Q4.Other	McLean Hospital
Functional connectivity in monogenic mouse models of autism	$0	Q4.S.B	Fondazione Istituto Italiano di Tecnologia
Functional analysis of the Schizophrenia and Autism Spectrum Disorder gene TCF4 i	$457,500	Q4.S.B	LIEBER INSTITUTE, INC.
Functional Analysis of Rare Variants in Genes Associated with Autism	$147,905	Q4.S.B	Yale University
Formation and Function of Circuitry for Vocal Learning	$361,456	Q4.S.B	University of California, Los Angeles
Exploring VIPR2 microduplication linkages to autism in a mouse model	$42,000	Q4.S.B	University of California, Los Angeles
Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	$0	Q4.S.B	University of Pennsylvania
Electrophysiological consequences of SCN2A mutations found in ASD	$60,000	Q4.S.B	The Regents of the University of California, San Francisco (Contracts & Grants)
Effects of Chronic Intranasal Oxytocin	$1,105,938	Q4.S.B	University of California, Davis
Dissecting striatal circuit dynamics during repetitive behaviors in autism	$107,254	Q4.S.B	FundaÁ„o D. Anna de Sommer Champalimaud e Dr. Carlos Montez Champalimaud
Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	$244,881	Q4.S.B	GEORGE WASHINGTON UNIVERSITY
Detecting and Treating Social Impairments in a Monkey Model	$146,468	Q4.S.B	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
Comprehensive Phenotyping of Autism Mouse Models	$0	Q4.S.B	University of Pennsylvania
Comparison of cortical circuit dysfunction in ASD model mice	$62,500	Q4.S.B	The Regents of the University of California, Berkeley
Circuit-level developmental and functional dynamics in an ASD genetic model	$0	Q4.S.B	Univeristy of Queensland
Chromatin remodeling in autism	$250,000	Q4.S.B	Stanford University
CHD8 and beta-catenin signaling in autism	$125,000	Q4.S.B	University of Chicago
Characterization of the Schizophrenia-associated 3q29 Deletion in Mouse	$417,252	Q4.S.B	Emory University
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	$0	Q4.S.B	Duke University
Characterization of brain and behavior in 7q11.23 duplication syndrome-Project 1	$103,684	Q4.S.B	University of California, Davis
Characterization of brain and behavior in 7q11.23 duplication syndrome-Core	$138,402	Q4.S.B	University of Toronto
Cellular models for autism de novo mutations using human stem cells	$125,000	Q4.S.B	Broad Institute, Inc.
Brain imaging of treatment response	$62,167	Q4.S.B	The Hospital for Sick Children
Biomarker discovery for low sociability: A monkey model	$62,500	Q4.S.B	Stanford University
Behavioral evaluation of a novel autism mouse model	$0	Q4.S.B	Shriners Hospitals for Children - Northern California
A zebrafish model to identify epigenetic mechanisms relevant to autism	$0	Q4.S.B	King's College London
A novel window into ASD through genetic targeting of striosomes - Project 1	$77,447	Q4.S.B	Cold Spring Harbor Laboratory
A novel window into ASD through genetic targeting of striosomes - Core	$170,040	Q4.S.B	Massachusetts Institute of Technology
A novel neural circuit analysis paradigm to model autism in mice	$238,500	Q4.S.B	Duke University
A new non-human primate model for studying communicative behaviors	$62,500	Q4.S.B	Johns Hopkins University
Analysis of oxytocin function in brain circuits processing social cues	$125,000	Q4.S.B	Harvard University
Analysis of autism-associated alleles in C. elegans	$108,061	Q4.S.B	California Institute of Technology
A mouse model of top-down interactions	$0	Q4.S.B	ROCKEFELLER UNIVERSITY
16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery	$0	Q4.S.B	University of California, Davis
16p11.2: Defining the gene(s) responsible (grant 1)	$212,100	Q4.S.B	Cold Spring Harbor Laboratory